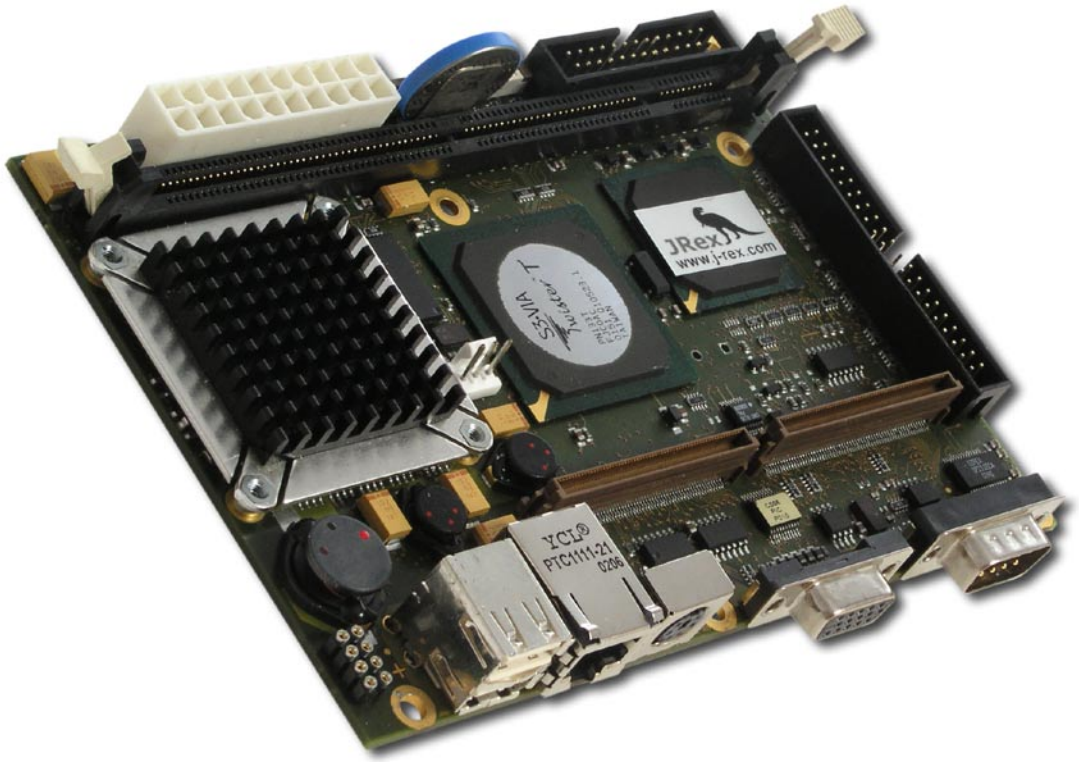
JRex-C3



- The fastest fanless embedded 3.5“ board
- Fanless Intel® Celeron® 300 MHz
- up to 512 MByte SDRAM, 32 MByte VRAM (UMA)
- member of the JRex 3.5“ board family

kontron
... always a Jump ahead!

Product Overview

Each **JRex** is a member of the 3.5" board family. JRex modules are characterized by the same pinout and interface for Reset, ATX feature, 2xUSB, FAST LAN, Keyboard/Mouse-socket, Compact-Flash™, VGA and COM1. This family feature allows to reuse chassis and maximizes design re-use.
This **JRex-C3** hosts a fanless Intel® Celeron® III processor at 300MHz. A SDRAM-DIMM socket for up to 512 MByte allows the use of standard desktop memory and full ATX power supply is as well a standard feature. These homogeneous features facilitate easy upgrades within the JRex product family. The graphic controller is included in the chipset, that performs with up to 32 MByte UMA. Connection of displays is simplified when using these units which are complete with a JILI-Interface (JUMPtec® Intelligent LVDS Interface). JILI automatically recognizes which display is connected and independently sets all video parameters. All JRex are plug-and-work enabled to further reduce time-to-market.

...always a Jump ahead!

Technical Data

- **3.5" Single Board Computer**
- **CPU:** Intel® Celeron®, fanless 300 MHz
- **on chip Graphics:** on VIA "TwisterT" chipset, up to 32 MByte UMA Video RAM, JILI-Interface for instant panel adaption, VGA-interface for CRT
- **SDRAM:** SDRAM-DIMM up to 512 MByte
- **CompactFlash Socket** Type 1
- **10/100 BaseT Ethernet** ✓
- **EIDE harddisk interface** ✓
- **Floppy Disk interface** ✓
- **Printer interface** ✓
- **Keyboard/Mouse** ✓
- **RS232C** 1x
- **USB** 2x
- **Reset/ATX feature button** ✓
- **LANBoot** ✓
- **DarkBoot** ✓
- **Watchdog** ✓
- **Real Time Clock** ✓
- **JFLEX™ extension** ✓
- **Dimensions:** 102 x 147 mm
- **Power Supply:** ATX or AT power supply
- **Plug´n Play compatible to any other JRex and therefore exchangeable**
- **Temperature:** operation: 0° to 60°C
storage: -10° to 85°C
- **Humidity:** operation: 10% to 90%
storage: 5% to 95%
(non condensing)

Article	Part.-No.	Description
JRex-C3	02002-0000-30-1	Ultra Low Power fanless Intel® Celeron® 300 MHz processor, ATX
JRex-C3	02002-0005-30-1	Ultra Low Power fanless Intel® Celeron® 300 MHz processor, AT
	common features:	VIA TwisterT chipset, VGA/LCD on-chip, 10/100Base-T, 1xCOM, 2xUSB, LPT, FDC, IDE. JFLEX extension. SDRAM-DIMM-socket for up to 512 MByte, Compact-Flash™ socket, JILI-Interface.

Article	Part.-No.	Article	Part.-No.
Compact Flash cards	Optional	ADA-FLOPPY-2	96001-0000-00-0
KAB-JILI display cables	Optional	KAB-IDE-1	96022-0000-00-0
SDRAM-DIMM modules	Optional	KAB-DSUB25-1	96015-0000-00-0
JFLEX modules	Optional		

Corporate Offices

US/ Canada
6260 Sequence Drive
San Diego, CA 92121-4371

Tel.: (858) 677-0877
Fax: (858) 677-0898

sales@us.kontron.com

Europe, Middle East & Africa
Brunnwiesenstr. 16
DE-94469 Deggendorf

Tel.: +49 991-37024-0
Fax: +49 991-37024-102

sales-kem@kontron.com

Asia Pacific
5F-1, 341, Sec 4, Chung Hsiao E.
Rd, Taipei, Taiwan

Tel: +886 2 2781 5791
Fax: +886 2 2741 7379

sales@kontron.com.tw

kontron
... always a Jump ahead!

#jrex-KAS-040309
All data is for information purposes only and not guaranteed for legal purposes. Subject to change without notice. Information in this datasheet has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies. All brand or product names are trademarks or registered trademarks of their respective owners. DIMM-PC® and JUMPtec® are registered trademarks of Kontron Embedded Modules GmbH, Germany.